

FF2 S. HOOGER
3/24/00

PATENTS
109087-0002P2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
Kenneth C. Crater et al.)
Serial No.: Not Yet Assigned)
Filed: November 8, 1999)
For: DISTRIBUTED INTERFACE AR-)
CHITECTURE FOR PROGRAM-)
MABLE INDUSTRIAL CONTROL)
SYSTEMS)
Examiner: Not Yet Assigned
Art Unit: Not Yet Assigned
Cesari and McKenna, LLP
30 Rowes Wharf
Boston, MA 02110
November 8, 1999

jc511 U.S. PTO
09/436368
11/08/99



“Express Mail” Mailing-Label Number: MAILINGLABELNUMBER

Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

INFORMATION-DISCLOSURE STATEMENT

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicants wish to bring to the Examiner's attention the references listed on the accompanying form PTO-1449. A copy of each listed reference is enclosed.

U.S. Patent No. 5,664,101
U.S. Patent No. 5,737,529
U.S. Patent No. 5,490,276
U.S. Patent No. 5,297,143
U.S. Patent No. 4,918,690
U.S. Patent No. 5,151,978
U.S. Patent No. 5,245,704
U.S. Patent No. 5,131,092

U.S. Patent No. 4,897,777
U.S. Patent No. 5,159,673
U.S. Patent No. 5,251,302
U.S. Patent No. 4,992,926
U.S. Patent No. 4,969,083
U.S. Patent No. 5,122,948
U.S. Patent No. 5,598,536
U.S. Patent No. 5,625,781
U.S. Patent No. 5,623,652
U.S. Patent No. 5,072,412
U.S. Patent No. 5,594,858
U.S. Patent No. 5,613,115
U.S. Patent No. 4,319,338
U.S. Patent No. 5,398,336
U.S. Patent No. 5,307,463
U.S. Patent No. 5,157,595
U.S. Patent No. 5,420,977
U.S. Patent No. 5,225,974
U.S. Patent No. 4,937,777
U.S. Patent No. 5,012,402
U.S. Patent No. 4,953,074
U.S. Patent No. 5,406,473
U.S. Patent No. 5,321,829
U.S. Patent No. 5,297,257

European Patent Appl. No. 0411869
PCT Application No. WO 97/18636

Slater, "Controlled by the Web," *Computer Networks and ISDN Systems* 27 (1994)

Goldberg et al., "Beyond the Web: Manipulating the Real World," *Computer Networks and ISDN Systems* 28 (1995)

Soreide et al., "Mosaic Access to Real-Time Data from the TOGA-TAO Array of Moored Buoys," *Computer Networks and ISDN Systems* 28 (1995)

Gertz et al., "A Human-Machine Interface for Distributed Virtual Laboratories," *IEEE Robotics & Automation Magazine* (Dec. 1994)

Taylor et al., "A Telerobot on the World Wide Web," *Nat. Conf. of Australian Robot Ass'n* (1995)

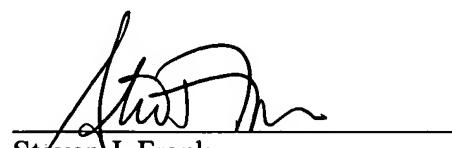
"Realtime web browser, OLE controls take data-acq into best-of-breed realm," *Personal Engineering*, March 1996, at 11

"Want to View Your Plant's Operations? Surf Your Intranet," Control Platforms (October 1997)

To the extent required by 37 C.F.R. §1.98(a)(3), Applicants have described what they consider to be the relevance of any foreign-language reference. It is understood that the Office may find additionally relevant material in these or other references.

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

Respectfully submitted,



Steven J. Frank
Reg. No. 33,497
CESARI AND MCKENNA, LLP
30 Rowes Wharf
Boston, MA 02110-2699
(617) 951-2500

~~112 SHOOVER 3/24/00~~

Sheet 1 of 3

Form PTO-1449 INFORMATION-DISCLOSURE STATEMENT			Docket No: 109087-0002P2		Serial No. Not Yet Assigned		
			Applicant: Kenneth C. Crater et al.				
			Filed: November 8, 1999		Group Not Yet Assigned		
U. S. Patent Documents							
Ex.	Doc. No.	Date	Name	Class	Subcl.	Filed	11/08/99
	5,664,101	09/02/97	Picache	395	200.8	12/22/93	11/08/99
	5,737,529	04/07/98	Dolin, Jr. et al.	395	200.18	04/12/96	11/08/99
	5,490,276	02/06/96	Doli, Jr. et al.	395	700	03/01/95	11/08/99
	5,297,143	03/22/94	Fridrich et al.	370	85.3	12/03/90	11/08/99
	4,918,690	04/17/90	Markkula, Jr. et al.	370	94	11/10/87	11/08/99
	5,151,978	09/29/92	Bronikowski et al.	395	200	03/22/90	11/08/99
	5,245,704	09/14/93	Weber et al.	395	200	03/22/90	11/08/99
	5,131,092	07/14/92	Sackmann et al.	395	800	09/01/89	11/08/99
	4,897,777	01/30/90	Janke et al.	364	134	04/11/88	11/08/99
	5,159,673	10/27/92	Sackmann et al.	395	325	03/11/92	11/08/99
	5,251,302	10/05/93	Weigl et al.	395	250	12/26/91	11/08/99
Foreign Patent Documents							
		Date	Country	Class	Subcl.	Filed	
	0411869A2	06/02/91	Europe			30/07/90	
	WO97/18636	22/05/97	PCT			13/11/96	
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)							
		Slater, "Controlled by the Web," Computer Networks and ISDN Systems 27 (1994)					
		Goldberg et al., "Beyond the Web: Manipulating the Real World," Computer Networks and ISDN Systems 28 (1995)					
		Soreide et al., "Mosaic Access to Real-Time Data from the TOGA-TAO Array of Moored Buoys," Computer Networks and ISDN Systems 28 (1995)					
Examiner:				Date Considered:			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

Form PTO-1449 INFORMATION-DISCLOSURE STATEMENT			Docket No: 109087-0002P2		Serial No. Not Yet Assigned		
			Applicant: Kenneth C. Crater et al.				
			Filed: November 8, 1999		Group Not Yet Assigned		
U. S. Patent Documents							
Ex.		Doc. No.	Date	Name	Class	Subcl.	Filed
		4,992,926	02/12/91	Janke et al.	364	134	10/17/88
		4,969,083	11/06/90	Gates	364	147	04/04/88
		5,122,948	06/16/92	Zapolin	364	131	01/28/90
		5,598,536	01/28/97	Slaughter, III et al.	395	200.16	08/09/94
		5,625,781	04/29/97	Cline et al.	395	335	10/31/95
		5,623,652	04/22/97	Vora et al.	395	610	07/25/94
		5,072,412	12/10/91	Henderson, Jr. et al.	395	159	03/25/87
		5,594,858	01/14/97	Blevins	395	326	07/29/93
		5,613,115	03/18/97	Gihl et al.	395	701	12/09/91
		4,319,338	03/09/82	Grudowski et al.	364	900	12/12/79
		5,398,336	03/14/95	Tantry et al.	395	600	07/16/93
Foreign Patent Documents							
			Date	Country	Class	Subcl.	Filed
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)							
			Gertz et al., "A Human-Machine Interface for Distributed Virtual Laboratories," IEEE Robotics & Automation Magazine (Dec. 1994)				
			Taylor et al., "A Telerobot on the World Wide Web," Nat. Conf. of Australian Robot Ass'n (1995)				
			"Realtime web browser, OLE controls take data-acq into best-of-breed realm," Personal Engineering, March 1996, at 11				
Examiner:					Date Considered:		
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

Form PTO-1449 INFORMATION-DISCLOSURE STATEMENT			Docket No: 109087-0002P2		Serial No. Not Yet Assigned		
			Applicant: Kenneth C. Crater et al.				
			Filed: November 8, 1999		Group Not Yet Assigned		
U. S. Patent Documents							
Ex.		Doc. No.	Date	Name	Class	Subcl.	Filed
		5,307,463	04/26/94	Hyatt et al.	395	275	12/07/92
		5,157,595	10/20/92	Lovrenich	364	136	03/08/91
		5,420,977	05/30/95	Sztipanovits	395	160	10/12/93
		5,225,974	07/06/93	Mathews et al.	364	140	10/30/90
		4,937,777	06/26/90	Flood et al.	364	900	10/07/87
		5,012,402	04/30/91	Akiyama	364	192	12/16/88
		4,953,074	08/28/90	Kametani et al.	364	132	07/06/88
		5,406,473	04/11/95	Yoshikura et al.	364	140	07/21/93
		5,321,829	06/14/94	Zifferer	395	575	07/20/90
		5,297,257	03/22/94	Struger et al.	395	200	04/15/91
Foreign Patent Documents							
			Date	Country	Class	Subcl.	Filed
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)							
			"Want to View Your Plant's Operations? Surf Your Intranet," Control Platforms (October 1997)				
Examiner:				Date Considered:			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							